



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

10/728,052

12/04/2003

Shahab M. Sayeedi

CE11765R

8941

22917

7590

01/09/2006

MOTOROLA, INC.

1303 EAST ALGONQUIN ROAD

IL01/3RD

SCHAUMBURG, IL 60196

EXAMINER

SHEW, JOHN

ART UNIT

PAPER NUMBER

2664

DATE MAILED: 01/09/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/728,052

Applicant(s)

SAYEEDI, SHAHAB M.

Examiner

John L. Shew

Art Unit

2664

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 11/30/2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☐ Claim(s) _____ is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 15-51 is/are allowed.
- 6) ☒ Claim(s) 1,2,5,8 and 10 is/are rejected.
- 7) ☒ Claim(s) 3,4,6,7,9 and 11-13 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 04 December 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

A new ground(s) of rejection are presented based on an update prior art search.

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1, 2, 5, 8, 10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Chang (Pub. No. US 20010030953 A1) in view of Hui et al. (Pub. No. US 2004/0266429 A1).

Claim 1, Chang teaches a method for providing forward link packet data service to mobile stations (MSs) in a mobile communication system (FIG. 8, page 1 paragraph [0007], page 5 paragraphs [0073]-[000076]) referenced by the Concurrent Service 80a of the MS to the Packet Data Service Node through the Source Base Station in a CDMA mobile communication system, the method comprising providing by a cell in the mobile

communication system data transmission service via a forward link (FIG. 6, page 4 paragraph [0058]) referenced by the use of Cell Identifier parameter to establish the data transmission with the Source Base Station, indicating to an MS that the cell will not provide data transmission service to the MS via the forward link (FIG. 8, page 5 paragraphs [0073]-[000076]) referenced by the BS Ack ORDER message 80I from the Target Base Station to the MS which indicates the Source Base Station will not provide data transmission service, wherein indication to the MS that the cell will not provide data transmission service to the MS via the forward link comprises signaling the MS (FIG. 8, page 5 paragraphs [0073]-[000076]) referenced by the BS Ack ORDER message 80I from the Target Base Station to the MS wherein the BS Ack ORDER is a signaling message. Chang does not teach a forward packet data control channel (F-PDCCH) of the cell.

Hui teaches a forward packet data control channel (F-PDCCH) of the cell (Fig. 3a, page 1 para. [0002]-[0003], page 3 para. [0041]) referenced by the Forward-Link Packet Data Control Channel (FPDCCH) used to send control information to a MS.

It would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate the packet data control channel of Hui to the concurrent service handoff method of Chang for the purpose of efficiently detecting packet format on a control channel as suggested by Hui (page 1 para. [0001]).

Claim 2, Chang teaches wherein providing data transmission services comprises providing data transmission services to the MS (FIG. 8, page 3 paragraph [0033])

referenced by the concurrent service inclusive of packet services to the MS, and wherein indicating that the cell will not provide data transmission service to the MS comprises indicating by the cell that the cell will no longer provide data transmission service to the MS via the forward link (FIG. 8, page 5 paragraphs [0073]-[000076]) referenced by the BS Ack ORDER message 80l from the Target Base Station to the MS which indicates the Source Base Station will no longer provide data transmission service.

Claim 5, Chang teaches further comprising determining whether the cell is presently available to provide data transmission service to the MS via the forward link of the cell (FIG. 8, page 6 paragraphs [0078]-[0084]) referenced by the determination of the transmission of the BS Ack ORDER 80l if the data transmission to the Target Base Station is available and complete.

Claim 8, Chang teaches wherein determining whether the cell is presently available to provide data transmission service to the MS via the forward link of the cell (FIG. 8, page 6 paragraphs [0078]-[0084]) referenced by the determination of the transmission of the BS Ack ORDER 80l if the data transmission to the Target Base Station is available and complete, comprises receiving an indication that the cell is presently unavailable to provide data transmission service to the MS via the forward link of the cell (FIG. 8) referenced by the HANDOFF REQUEST 80c upon which the Target BS determines unavailability of the data link of the MS to the Source BS.

Claim 10, Chang teaches wherein providing data transmission services comprises providing data transmission services to the MS by the cell via the forward link (FIG. 8, page 3 paragraph [0037], page 5 paragraphs [0073]-[000076]) referenced by the Concurrent Service 80a of the MS to the Packet Data Service Node through the Source Base Station in a CDMA mobile communication system.

Allowable Subject Matter

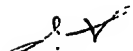
1. Claims 15-32, 33-41, 42-47, 48-51 are allowed.

Claims 3, 4, 6, 7, 9, 11, 12, 14 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to John L. Shew whose telephone number is 571-272-3137. The examiner can normally be reached on 8:30am - 5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wellington Chin can be reached on 571-272-3134. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



js



Ajit Patel
Primary Examiner